Major: PHYSICAL SCIENCE

Concentration: CHEMISTRY (PHCH)

B.S. Degree (130 credits required for graduation)



General Education	Bible/Theology	Major / Concentration
Behavioral Science3	BBST 103 Biblical Interpretation & Spiritual Formation	CHEM 105 General Chemistry I with Lab
ANTH 200 General Cultural Anthropology	BBST 105 Foundations of Christian Thought	CHEM 106 General Chemistry II with Lab4
PSYC 200 Introduction to Psychology	BBST 109 Old Testament History & Literature	CHEM 301 Organic Chemistry I
SOC 220 Intro to Sociology or 362 Social Problems	BBST 110 New Testament History & Literature	CHEM 302 Organic Chemistry II
Communication	BBST 251 Theology I	CHEM 311 Lab in Organic Chemistry
COMM 100 Introduction to Public Communication	BBST 254 Theology II	CHEM 312 Lab in Organic Chemistry
COMM 170 Small Group Communication	BBST 306 Early Christian History – Acts	CHEM 350 Analytical Chemistry with Lab
COMM 181 Intro to Argumentation & Debate	BBST 300/400 Elective	CHEM 402 Physical Chemistry I
COMM 280 Oral Interpretation	BBST 300/400 Elective	PHSC 124 Data Analysis & Presentation
English	BBST 465 Integration Seminar – Christianity & Natural Sciences* 3	PHSC 132/134 General Physics I
ENGL 100 or 112 Critical Thinking & Writing I	Total Bible credits	PHSC 233/237 General Physics II
ENGL 100 of 112 Citrical Militarity & Willing II	Total bible creatis	PHSC 234 General Physics II with Lab
	(30 credits maximum except Bible or Christian Min majors)	
Fine Arts**	*One additional Integ Sem may be taken to fulfill one 300/400 BBST elective	PHSC 460 Physical Science Seminar
ARTS 100 Art Apprec, 107, 108, 110, 111, 210, 211, 213, 221	(maximum 6 credits of Integration Seminar).	MATH 105 Calculus I
COMM 160 Theatre Appreciation	(maximum 6 creats of integration seminar).	MATH 106 Calculus II4
MUSC 101 Music Apprec, 001, 002, 003, 005, 007, 008, 010, 012		Chemistry, Math or Physics*4
Foreign Language*4-6		Chemistry, Math or Physics (Upper Division)
(based on number of years taken in high school)	Minor / Support / Electives	Chemistry, Math or Physics (Upper Division)
HUFF (French) 101	General Electives	Chemistry, Math or Physics (Upper Division)4
HUFS (Spanish) 101		Writing Competency Requirement0
HUFA (ASL) 101		
HUFR (other languages) 101		
Classical lang – 6 credits required		
BLGR (Greek) 101, 102		
BLHE (Hebrew) 101, 102		Minimum Upper-Division Credits
History		Total Major Credits Required
HIST 108 or 109 U. S. History or POSC 225 American Govt3		Total Major Creatis Regulied
HIST 207 or 208 World Civilizations I, II		
Literature		
ENGL 230 Literature in Context		
ENGL 251/252/253 British Literature I, II, III		
ENGL 281/282 American Literature I, II		
ENGL 283 Race & Ethnicity in American Literature		
ENGL 290 World Literature		
Philosophy3		
PHIL 210 Introduction to Logic		
PHIL 211/212/213 Ancient, Medieval, Modern Phil		
PHIL 214 Introduction to Philosophy		
PHIL 215 Introduction to Ethics		*Three credits of Computer Science may be counted toward the 14
PHIL 216 Introduction to Philosophy & Aesthetics		credits of electives.
Physical Education4		
PEED 101,110, 130, 140, 150		
1 225 101/110/100/110/100		Degree Summary
		<u>bogico torrirridiy</u>
		G.E. Requirements35
		Bible Requirements
Takal Cananal Falmantian anadita		Major Requirements
Total General Education credits35		Support/Electives*
Len IV. A. I. NOT. II. II. II. II. II. II. II. II. II. I		Total Required for Graduation 130
(First Year Sem - does NOT count toward graduation1)		

^{*}If two years of the same foreign language were not taken in high school, four credits at college level will be required for graduation. Foreign Language – 1 yr high school = take 101. 2 yrs high school = none needed.

^{**}Fine Arts: ARTS 100, COMM 160 and MUSC 101 may be transferred from other colleges; art studio courses must be taken at Biola.

Suggested Course Schedule

Concentration: CHEMISTRY (PHCH) B.S. Degree

Major: PHYSICAL SCIENCE

YEAR	FALL	SPRING
FRESHMAN	BBST 103/105 Bible Interp & Spir Form / Found Christian Thought	BBST 103/105 Bible Interp & Spir Form / Found Christian Thought 3 CHEM 106 General Chemistry II with Lab 4 MATH 106 Calculus II 4 PHSC 124 Data Analysis & Presentation 1 ENGL 113 Critical Thinking & Writing II 3 P.E. Activity 1
SOPHOMORE	BBST 109	BBST 110 New Testament History & Literature
JUNIOR	BBST 251 Theology I	BBST 254 Theology II 3 3 BBST 306 Early Christian History – Acts 3 Chemistry, Math or Physics Elective* 4 Chemistry, Math or Physics Elective (Upper Division)* 3 Behavioral Sci ANTH 200, PSYC 200, SOCI 220 or 362 3 General Elective 2 18 Graduation Petition due in the Registrar's Office
SENIOR	BBST 300/400 Bible Elective	BBST 300/400 Bible Elective 3 BBST 465 Integration Seminar – Christianity & the Natural Sciences 3 Chemistry, Math or Physics Elective (Upper Division)* 4 PHSC 460 Physical Science Seminar 1 Communication COMM 100, 270, 181, 280 3 General Elective 3 17

^{*}Chemistry, Math or Physics electives (total 14 credits, of which 9 credits must be upper division). See catalog for electives in area of specialization. Three credits of Computer Science may be used toward the 14 credits of electives.

NOTE: This degree requirement sheet is designed with your major department and is one way that the classes will work out properly in sequence for your major. However, there are alternative flexible ways to rotate some of the classes within the same year/level and sometimes between year levels. Please contact your major department advisor to discuss flexible alternatives in scheduling the sequence of your classes.

^{**}If two years of the same foreign language was not taken in high school, four credits at college level will be required for graduation.